

Rewrite claim 106 as follows.

106. (Once amended) A method of cultivating mammalian cells in suspension culture to high density and/or expressing a recombinant protein, said method comprising [the steps of]
- (a) contacting said cells with [the eukaryotic cell culture medium of claim 84,]  
a eukaryotic cell culture medium comprising a  $\text{Fe}^{2+}$  chelate and a  $\text{Zn}^{2+}$  salt,  
wherein said  $\text{Fe}^{2+}$  chelate and said  $\text{Zn}^{2+}$  salt are each present in an amount which supports  
the growth of mammalian cells in culture,  
wherein said medium is capable of supporting the high-density growth of mammalian cells  
in suspension culture and/or the expression of recombinant protein; and  
[wherein said  $\text{Fe}^{2+}$  chelate and said  $\text{Zn}^{2+}$  salt are each present in an amount which supports  
the growth of mammalian cells in culture; and]
- (b) cultivating said mammalian cells under conditions suitable to support the growth  
of said cells to high density and/or the expression of said recombinant protein.

Add new claims 140-153.

--140. The method of claim 1, wherein said serum-free cell culture medium is free of animal-derived ingredients.

141. The method of claim 1, wherein said serum-free cell culture medium is protein-free.

142. The method of claim 1, wherein said serum-free cell culture medium is chemically defined.

143. The method of claim 106, wherein said eukaryotic cell culture medium is free of animal-derived ingredients.

144. The method of claim 106, wherein said eukaryotic cell culture medium is protein-free.

145. The method of claim 106, wherein said eukaryotic cell culture medium is chemically defined.

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146. The method of claim 106, wherein said eukaryotic cell culture medium contains neither transferrin nor insulin.

147. The method of claim 106, wherein said mammalian cells are Chinese hamster ovary cells.

148. The method of claim 106, wherein said eukaryotic cell culture medium is a 1X medium formulation.

149. The method of claim 106, wherein said eukaryotic cell culture medium is a concentrated medium formulation.

150. The method of claim 149, wherein said eukaryotic cell culture medium is a 10X medium formulation.

151. The method of claim 149, wherein said eukaryotic cell culture medium formulation is greater than 10X.

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152. The method of claim 106, wherein the concentration of said  $\text{Fe}^{2+}$  is about 0.00028 to 0.011 g/L and said concentration of said  $\text{Zn}^{2+}$  is about 0.00007 to 0.00073 g/L.

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153. The method of claim 152, wherein said concentration of said  $\text{Fe}^{2+}$  is about 0.0011 g/L and said concentration of said  $\text{Zn}^{2+}$  is about 0.000354 g/L.--

### **Remarks**

#### **I. Status of the Claims**

Claim 106 has been amended. Claims 38-47, 48-66, 67-72, 84-105 and 113-139 have been canceled without prejudice to or disclaimer of the subject matter therein. Claims 140-153 have been added. Claims 1-37, 73-83, 106-112 and 140-153 are active in the present application.

#### **II. Support for the Amendment and Remarks**

Claims 141, 142 and 144 are supported by the specification at page 1, lines 5-7; page 16, line 3; and page 19, line 5.